A Photon Source

A photon source comprising:

a quantum dot (21) having a first confined energy level capable of being populated with an electron and a second confined energy level capable of being populated by a hole; and

supply means (23) for supplying carriers to the said energy levels, wherein the supply means are configured to supply a predetermined number of carriers to at least one of the energy levels to allow recombination of a predetermined number of carriers in said quantum dot to emit at least one photon.

Figure 3

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